

**State of California**  
Department of Food and Agriculture  
Division of Measurement Standards

Certificate Number: 5284-01

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***California Type Evaluation Program***  
***Certificate of Approval***  
***for Weighing Devices***

**For:**

Vehicle Scale Weighing Element

Load Cell Electronic

Model: ASCO 7010100S

$n_{\max}$ : 10 000                       $e_{\min}$ : 20 lb

Capacity: 100 000 lb

Platform: Length 70'/Width 10'

CLC: 40 000 lb

Accuracy Class: III L

**Submitted by:**

ASCO

2900 Adams, Suite B-28

Riverside, CA 92504

Tel: (909) 689-1778

Fax: (909) 689-6119

Contact: David Peters

**Standard Features and Options**

**Installations must satisfy the relationship of  $v_{\min} \leq d/\sqrt{N}$  where N = number of load cells and nominal capacity  $\leq$  CLC x (N-0.5), where N is the number of sections in the scale**

Scale type: Above grade

Platform material: Steel

Indicator: GSE Model 550 (Certificate of Approval Number 4245-95), or compatible metrological equivalent

Load cells used: Artech Industries, Inc. Model 80310-40k (Certificate of Approval Number 3006(d)-97), or compatible metrological equivalent

Load cell capacity: 40 000 lb

Number of sections: 4

Number of load cells: 8

Load cell stands: Durline Model 12 3/8 SD load cell stand or compatible stand

Load cell links: Rice Lake Model 50K L/C or compatible link

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: October 5, 2001

Mike Cleary, Director

**ASCO**  
**Vehicle Scale Weighing Element**  
**Model: ASCO 7010100S**

**Application:** For general purpose vehicle weighing.

**Identification:** A metal identification plate is attached to the summing box.

**Sealing:** The load cell junction box can be sealed with a wire security seal threaded through two drilled head screws. Additionally, the overall calibration can be sealed at the indicator in accordance with the sealing described for the compatible, approved indicator.

**Test Conditions:** The emphasis of the evaluation was on device design, marking, and performance of the weighing element. Increasing/decreasing load, mid-span, and section tests were conducted using 40 000 lb of known test weights. Strain load tests were conducted to 81 560 lb using 40 000 lb of known test weights. The scale was used for 32 days and retested in the same manner.

Results of the evaluation indicate the device complies with applicable requirements.

**Type Evaluation Criteria Used:** Title 4, California Code of Regulations, 2001 Edition

**Tested By:** Dan Parks (CA), Tom Bloomer (CA)